

INCH-POUND

MIL-PRF-64266/9
25 November 2008

PERFORMANCE SPECIFICATION SHEET

CONNECTORS, FIBER OPTIC, CIRCULAR, ALIGNMENT SLEEVE RETAINER (ASR),
MULTIPLE REMOVABLE GENDERLESS TERMINI, SCREW THREADS,
ENVIRONMENT RESISTING

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring fiber optic connectors described
herein shall consist of this specification sheet and MIL-PRF-64266.

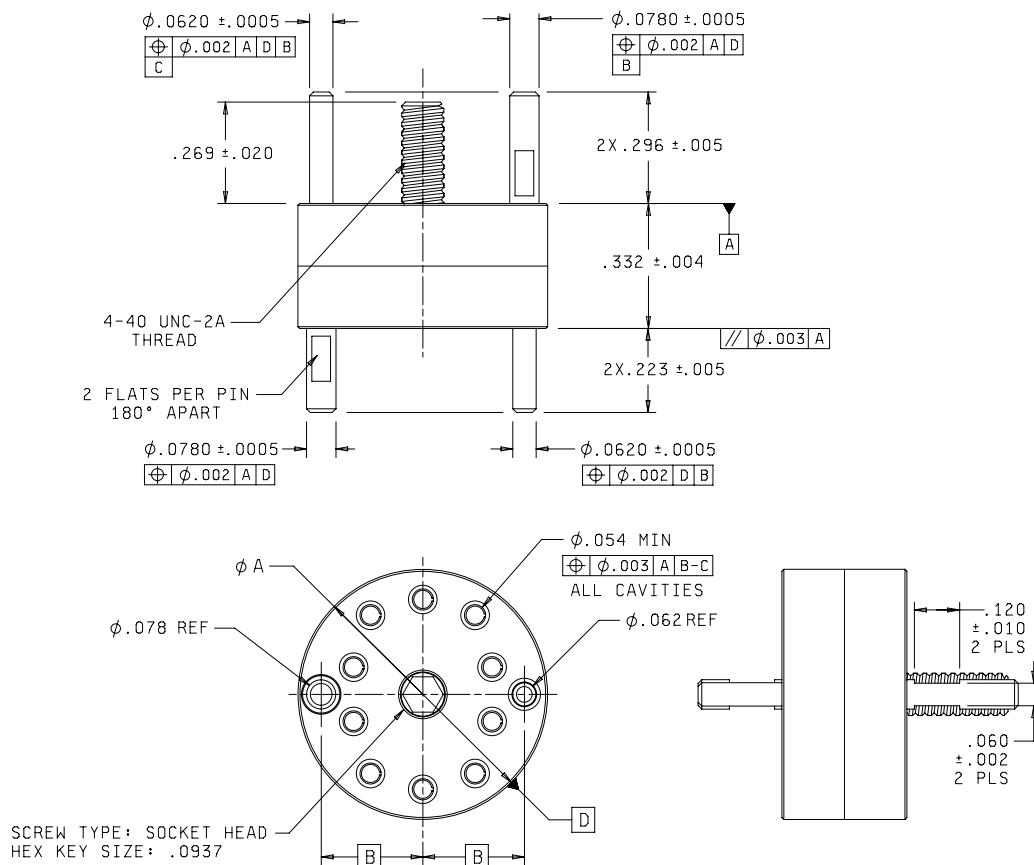


FIGURE 1. Alignment sleeve retainer (ASR).

AMSC N/A

FSC 6060

Shell size	A dia +/- .002	B basic (guide pins)
11	.410 (10.41)	.140 (3.56)
13	.486 (12.34)	.178 (4.52)
15	.664 (16.87)	.270 (6.86)
23	1.068 (27.13)	.400 (10.16)

Inches	mm	Inches	mm
.0005	0.01	.062	1.58
.002	0.05	.078	1.98
.003	0.08	.0937	2.38
.005	0.13	.120	3.05
.010	0.25	.223	5.66
.020	0.51	.269	6.83
.054	1.37	.296	7.52
.060	1.52	.332	8.43

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Metric equivalents are in parentheses.
4. Dimensions apply to plated/finished part.
5. Alignment sleeve shall have an internal lead-in chamfer or radius in lieu of a sharp edge.

FIGURE 1. Alignment sleeve retainer (ASR) - continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1 herein and appendix B of MIL-PRF-64266, figures B-1 through B-6 for termini cavity insert position and arrangement dimensions.

Weight (maximum): Weight shall not exceed the values as specified in table I for the applicable shell size and material.

Table I. Alignment sleeve retainer weights.

Shell Size	Composite		Aluminum		Stainless steel	
	ounces	grams	ounces	grams	ounces	grams
11	0.10	2.8	0.12	3.4	0.20	5.7
13	0.12	3.4	0.14	4.0	0.30	8.5
15	0.14	4.0	0.21	6.0	0.50	14.2
23	0.30	8.5	0.50	14.2	1.30	36.9

Counterpart connectors: Receptacle and plug connectors specified in MIL-PRF-64266/1, MIL-PRF-64266/2 and MIL-PRF-64266/3.

Unless otherwise specified, the ASR shall be installed in the receptacle.

Termini: For use with MIL-PRF-29504/18, MIL-PRF-29504/19 and MIL-PRF-29504/20.

Termini alignment sleeves: Ceramic or equivalent.

Guide pins: Use of a locking compound on the ASR threaded fasteners is permissible providing the locking compound meets environmental requirements and does not migrate to the ferrule end faces of the fiber optic termini.

Marking:

PIN: Marked on the ASR circular surface (side) and packaging (see table I):

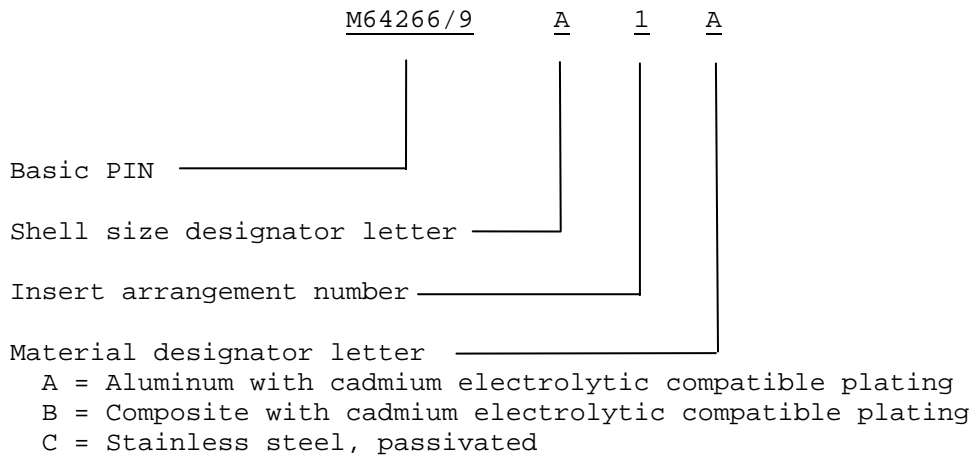


TABLE I. PIN designators.

Shell Size	Shell size designator	Insert arrangement number
11	B	1 or 2
13	C	1
15	D	1 or 2
23	H	1

Installation tools, removal tool, and ASR assembly tool for alignment sleeve: As specified in appendix A of NAVSEA drawing 8283460. A copy of this document can be obtained at web site: <https://fiberoptics.nswc.navy.mil>.

MIL-PRF-64266/9

For qualified products listing, conformance, and periodic inspections, dummy termini shall be used in all unused cavities.

Referenced documents. In addition to MIL-PRF-64266, this specification sheet references the following documents:

MIL-PRF-29504/18
MIL-PRF-29504/19
MIL-PRF-29504/20
MIL-PRF-64266/1
MIL-PRF-64266/2
MIL-PRF-64266/3
NAVSEA drawing 8283460

Custodians:

Army - CR
Navy - SH
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 6060-2007-007)

Review activities:

Navy - AS
Air Force - 13, 19, 93, 99
NASA - NA

NOTE: The activities listed above were interested in this document on the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.